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Title: TWO-DIMENSIONAL PYRAMID FILTER ARCHITECTURE
1st Named Inventor: Tinku Acharya
Express Mail No.: EV 339911332US Docket No.: 42P
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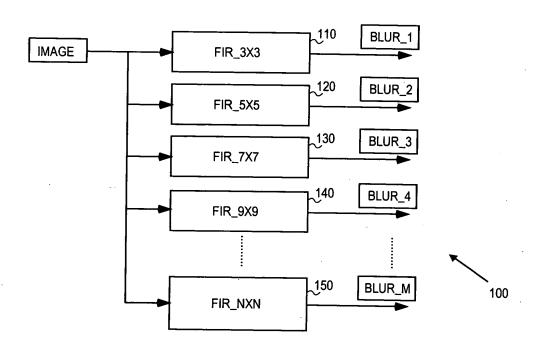


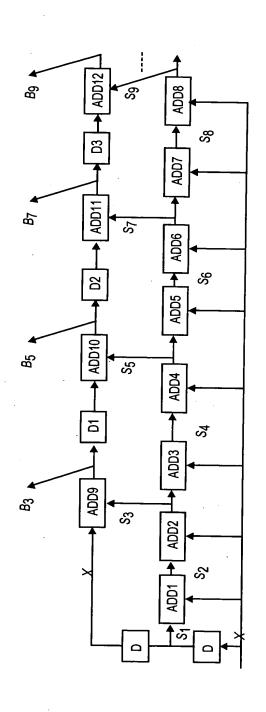
FIG. 1

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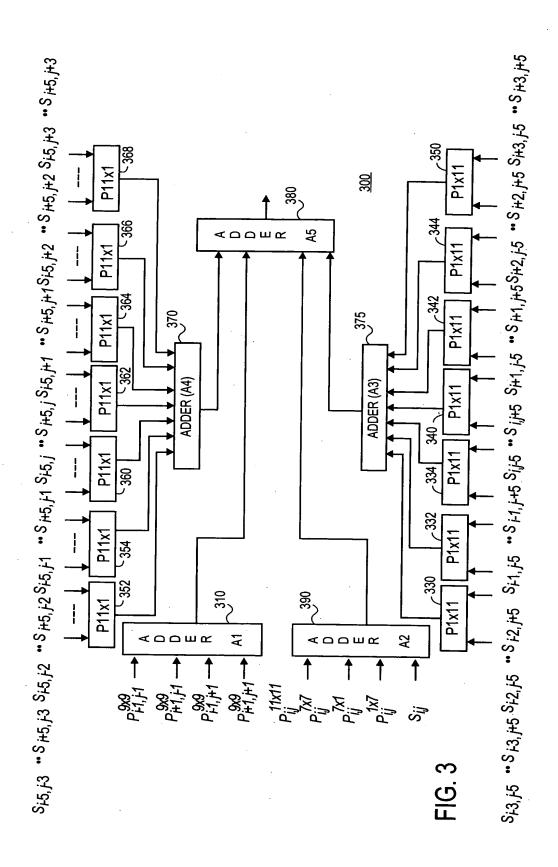
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ı						
PO,N-1	P1,N-1	•	•••	•	•	P.M-1,N-1
•	•	•	•	•	•	•
•	•	•	•	•	•	•
:	•	. •	P _{i, j}	•	•	:
•	•	•	•	•	•	•
P KXK P 0,1 KXK	P _{1,1}	•	•	•	• 1	PM-1,1
P kxk P0,0	P _{1,0}	•	•••	• ,	• 1	PM-1,0
		-	= XXX			

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	_						
S _{0,N-1}	S _{1,N-1}	• .	• • •	•	•	SM-1, N-1	
•	•	•	•	•	•	•	
•	•	S _{i-1, j+1}	S _{i, j+1}	S _{j+1} , j+1	•	•	
:	•	$S_{j-1,j}$	$S_{i,j}$	S _{j+1, j}	•	•	•
. •	•	S _{i-1} , j-1	S _{i, j-1}	Sj+1, j-1	•	•	
S _{0,1}	•	•	•	•	•	SM-1,1	
80,0	81,0	• •	• •	•	•	SM-1,0	

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2 1 4 2 3(k+1)9 3 2(k+1)3(k+1)(k+1)*(k+1)3(k+1)2(k+1)k +1 6 9 6 3 6 2 2 3 3 2 1

FIG. 6

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P _{0,N-1} P _{1,N-1}	• • • •	•	• -	PM-1,N-1
• •	•	• •	•	•
	•	•	•	•
•	• 1×	· ·	•	:
• •	•	• •	•	•
P _{0,1} P _{1,1} P _{1,1}		•	• 1	PM-1,1
P _{0,0} P _{1,0}	• •••	•	. **	PM-1,0
	# *×			

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P _{0,N-1}	P _{1,N-1}	•	•••	•	, KY	PM-1,N-1	
	•	•	. •	•	•	•	
•	•	•	•	•	•	•	
•	•	•	P. j	•	•	:	
•	•	•	•	•	• .	•	
P KX 1	P1,1	•	•	•	· KX	PM-1,1	
P _{0,0}	P1,0	• •		• .	. KX	[PM-1,0	
		· \	11				